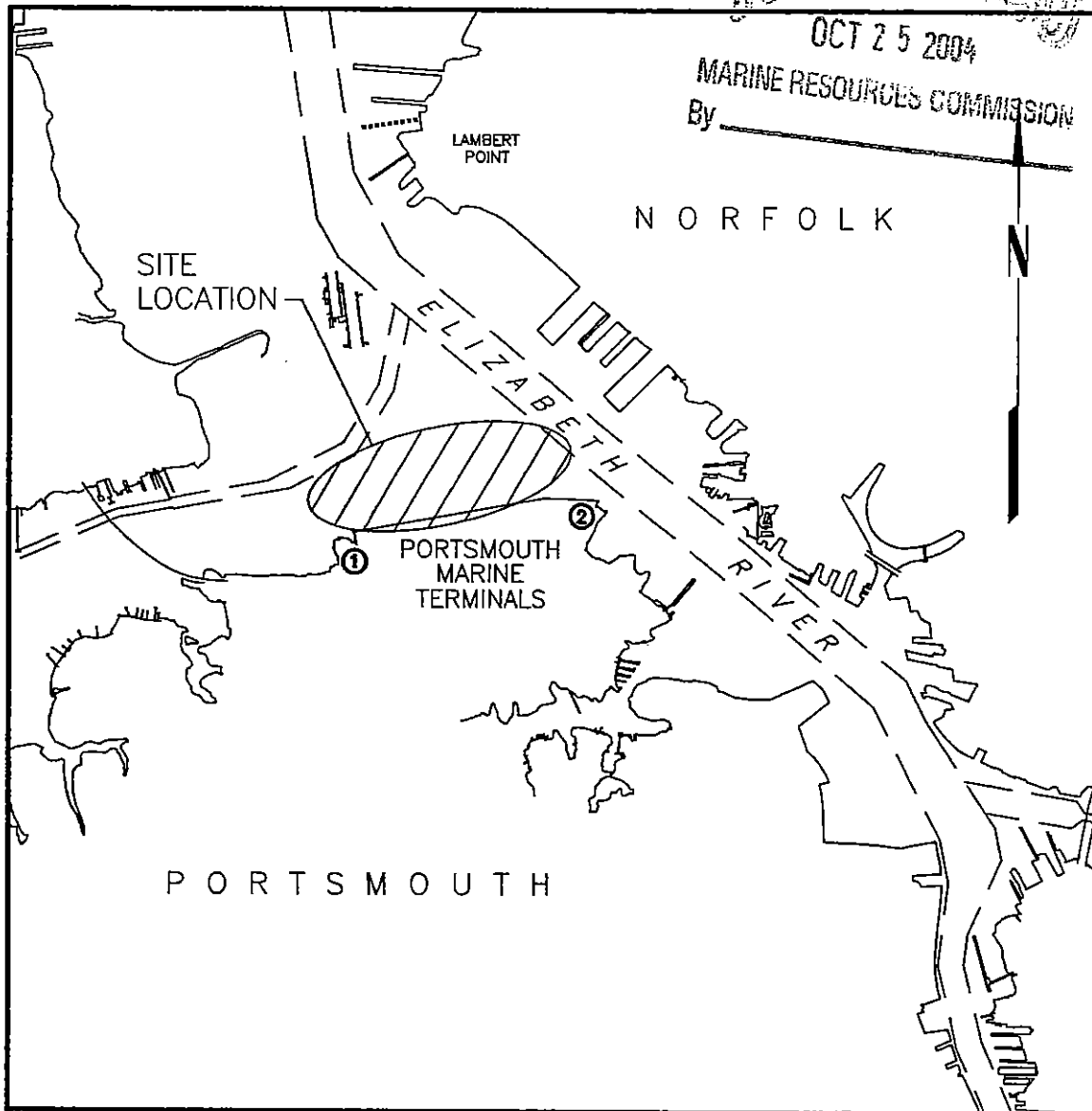


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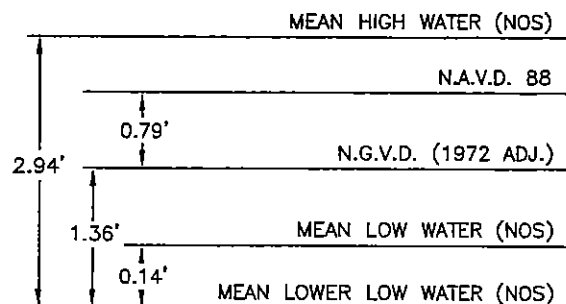
MARINE RESOURCES COMMISSION
By _____



NOTES:

1. SOUNDINGS WERE TAKEN USING A RECORDING FATHOMETER OPERATING AT 208KHz AND A DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS) WAS USED TO OBTAIN HORIZONTAL POSITION.
2. SOUNDINGS ARE IN FEET REFERRED TO MEAN LOW WATER (MLW) BASED ON NATIONAL OCEAN SERVICE (NOS) OBSERVATIONS AT PORTSMOUTH NAVAL SHIPYARD, AND WERE TAKEN ON MAY 14 & 15, 2003.
3. BENCH MARK IS BRASS DISK USE "ADP, 1978" LOCATED AT U.S. ARMY CORPS OF ENGINEERS BUILDING (FORT NORFOLK). ELEVATION = 10.50' MLW (NOS).
4. COORDINATES ARE IN U.S. SURVEY FEET REFERRED TO THE VIRGINIA STATE GRID (SOUTH ZONE) BASED ON NAD83.

DIAGRAM OF DATUM PLANE



PURPOSE: CHANNEL WIDENING
DATUM: N.O.S. MLW=0.0'

ADJACENT PROPERTY OWNERS:

- ① TARMAC OF AMERICA
- ② VDOT - ELIZABETH RIVER TUNNEL

VICINITY MAP

PREPARED BY:

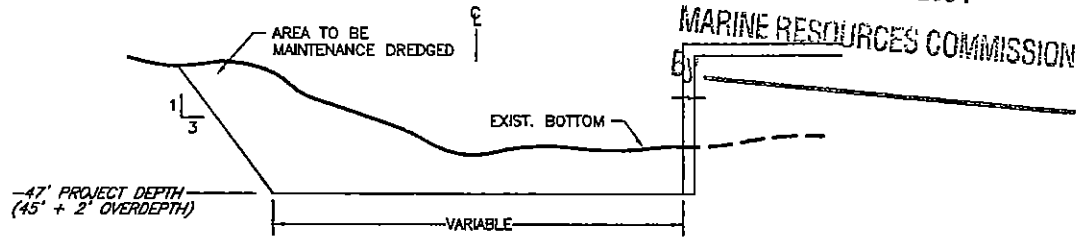
Waterway

Surveys & Engineering, Ltd.
Virginia Beach, Virginia

PROPOSED CHANNEL WIDENING
IN: WESTERN BRANCH ELIZABETH RIVER
CITY: PORTSMOUTH STATE: VIRGINIA
APPLICATION BY: VIRGINIA PORT AUTHORITY

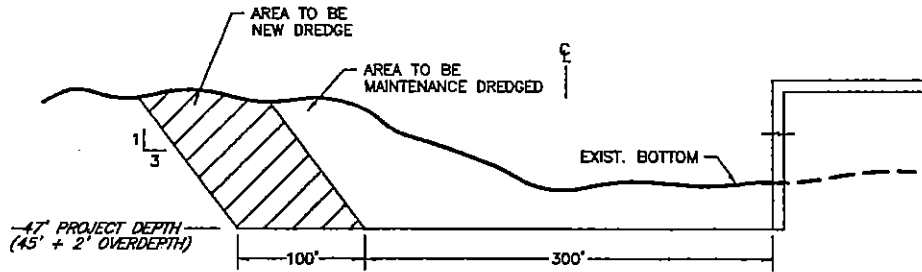
SCALE: N.T.S. DATE: SEPTEMBER 30, 2004
SHEET 1 OF 3

RECEIVED
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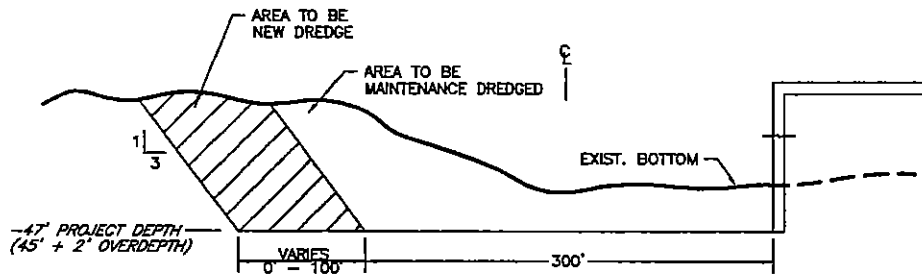
TYPICAL SECTION

STATION 135+00 TO STATION 106+50



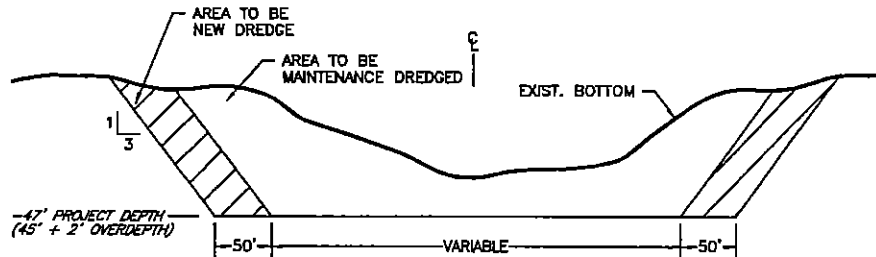
TYPICAL SECTION

STATION 135+00 TO STATION 144+50



TYPICAL SECTION

STATION 130+00 TO STATION 135+00



TYPICAL SECTION

TYPICAL ENTRANCE CHANNEL

PURPOSE: CHANNEL WIDENING
DATUM: N.O.S. MLW=0.0'

ADJACENT PROPERTY OWNERS:

- ① TARMAC OF AMERICA
- ② VDOT - ELIZABETH RIVER TUNNEL

CROSS SECTION

PREPARED BY:

Waterway

Surveys & Engineering, Ltd.
Virginia Beach, Virginia

PROPOSED CHANNEL WIDENING
IN: WESTERN BRANCH ELIZABETH RIVER
CITY: PORTSMOUTH STATE: VIRGINIA
APPLICATION BY: VIRGINIA PORT AUTHORITY

SCALE: N.T.S. DATE: SEPTEMBER 30, 2004
SHEET 3 OF 3